

FIG. 1A

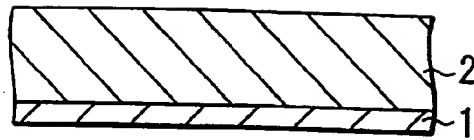


FIG. 1B

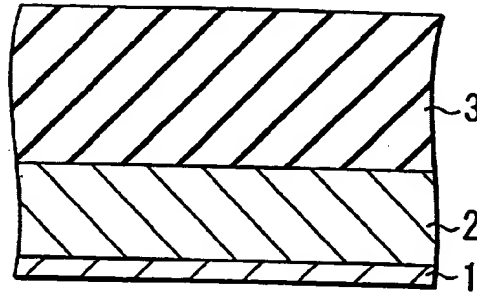


FIG. 1C

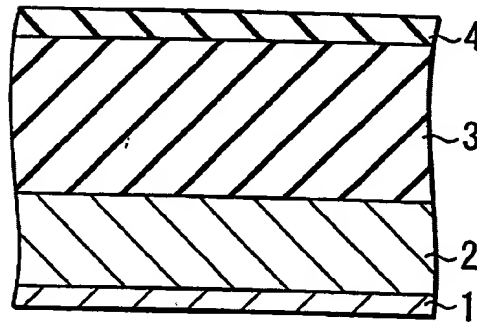


FIG. 1D

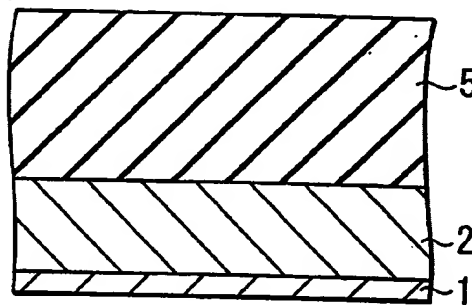
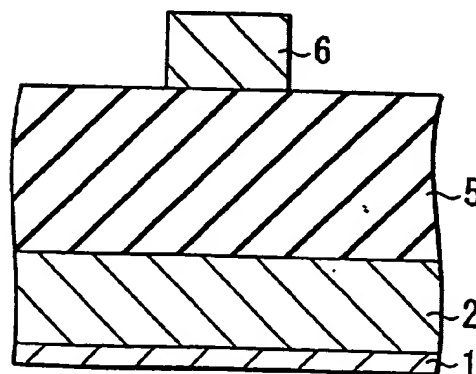
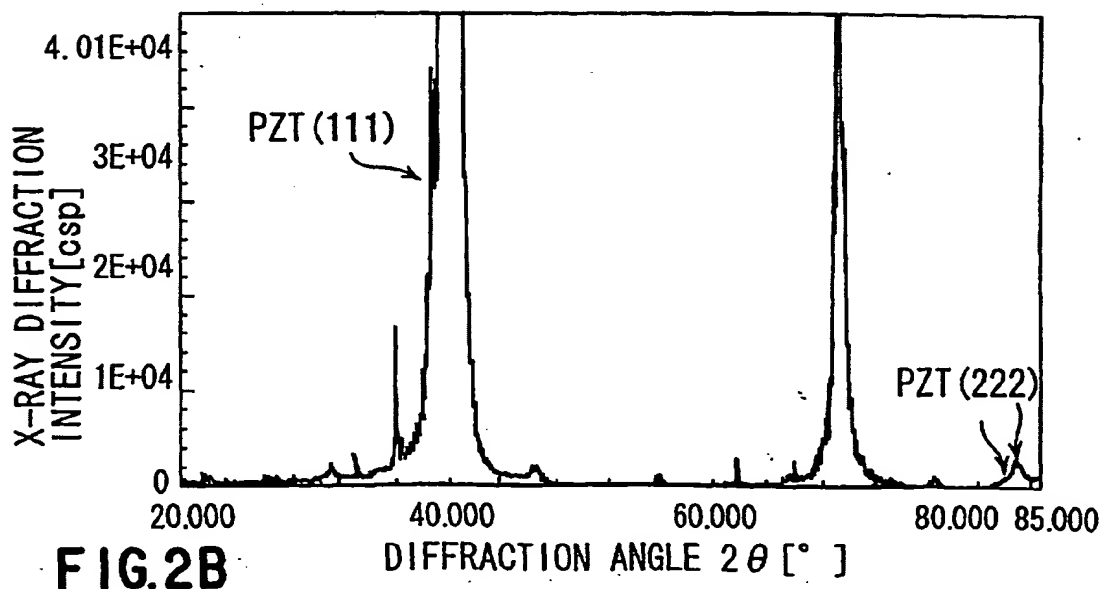
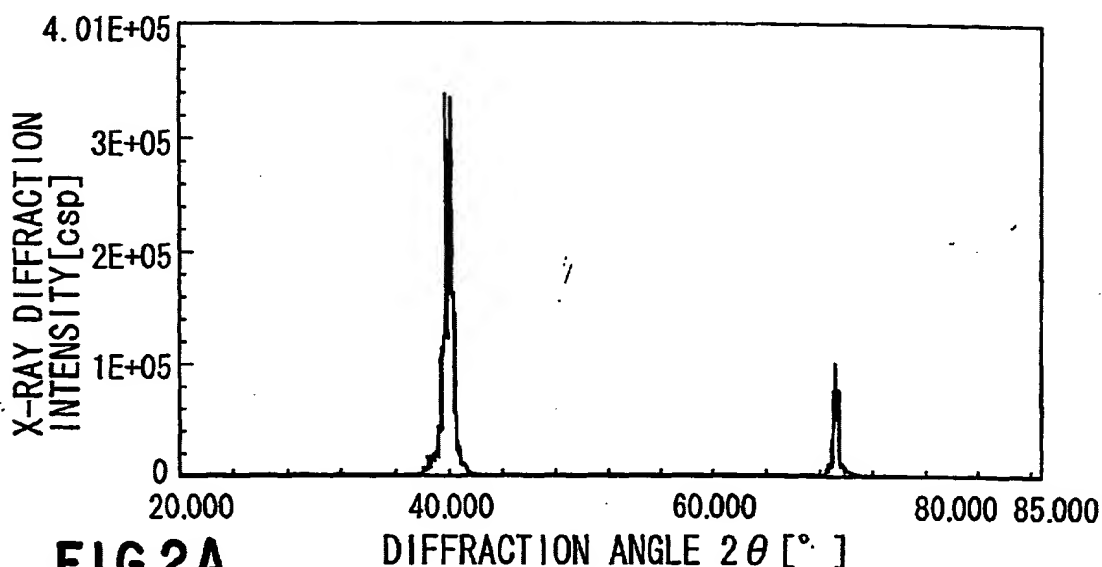


FIG. 1E

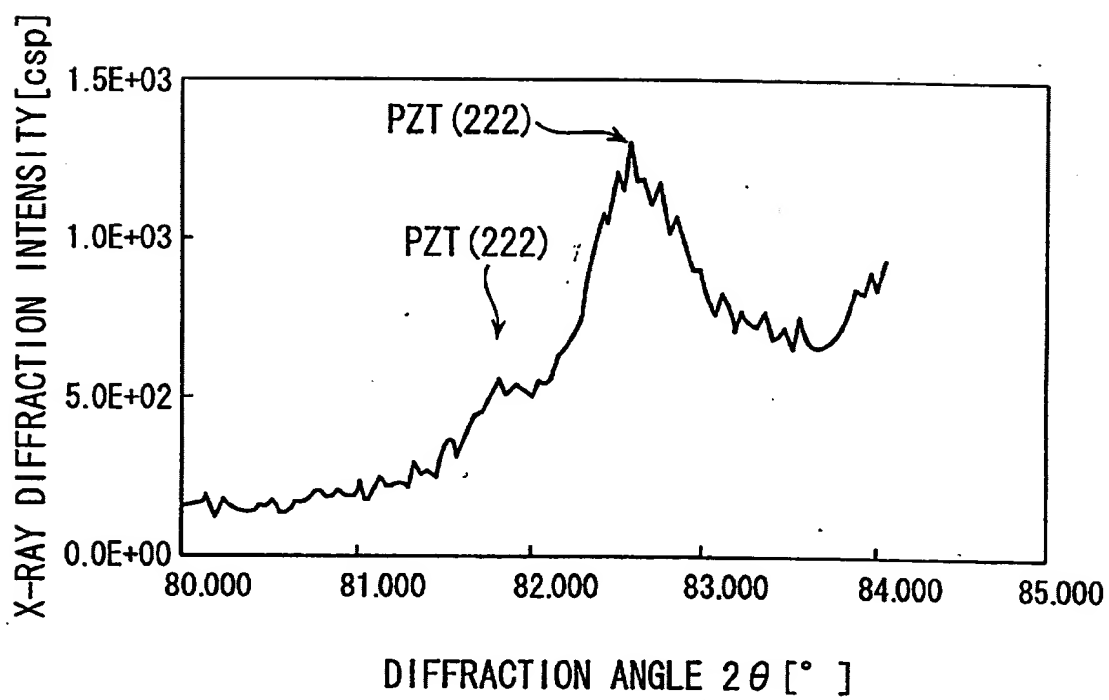


TUBULAR BULB: Cu  
 (WAVELENGTH: 1.54056 Å)  
 TUBULAR BULB VOLTAGE: 44KV  
 TUBULAR BULB CURRENT: 250mA  
 GONIOMETER: WIDE-ANGLE  
 GONIOMETER  
 STEP WIDTH: 0.040°  
 TIME FOR MEASUREMENT: 0.50sec  
 SCANNING AXIS:  $2\theta / \theta$

DIVERGENCE SLIT:  $1/2^\circ$   
 DIFFRACTION SLIT:  $1/2^\circ$   
 LIGHT RECEIVING SLIT: 0.15mm  
 LIGHT RECEIVING SLIT OF  
 MONOCHROMATOR:  
 LIGHT RECEIVING SLIT: 0.45mm  
 $\theta$  OFFSET ANGLE: 0.000°

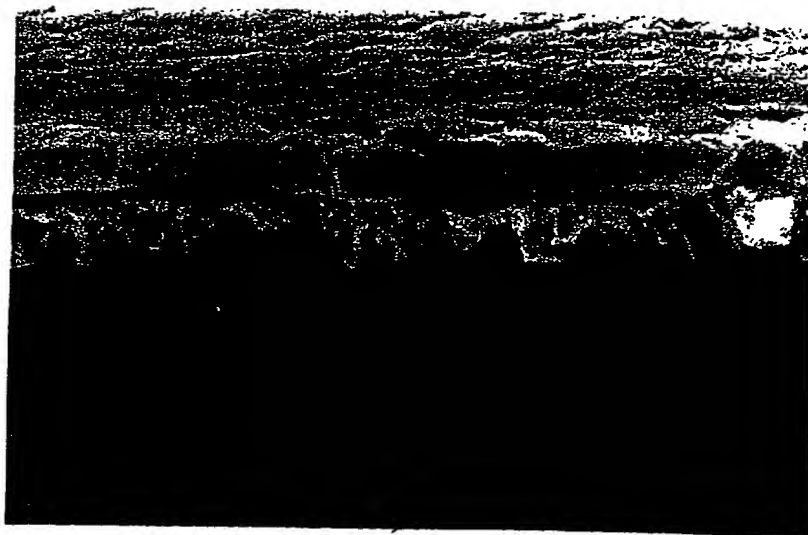


004T20" 95T2T950



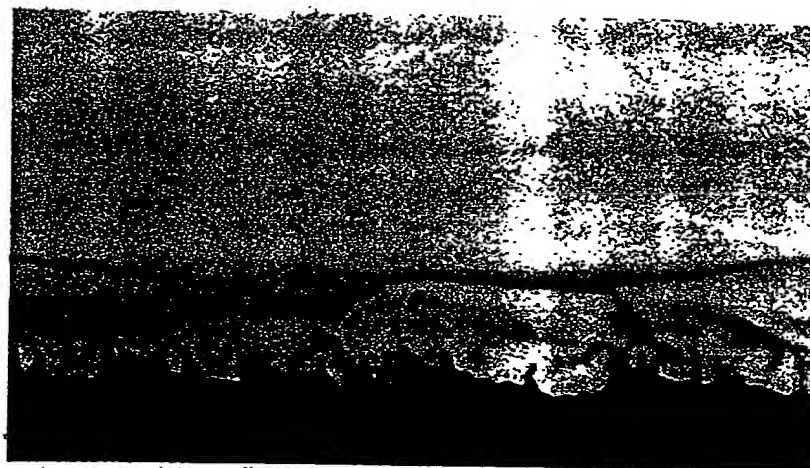
**FIG.2C**

004T20" 85T2T950



500nm

FIG. 3A



500nm

FIG. 3B

FIG. 4

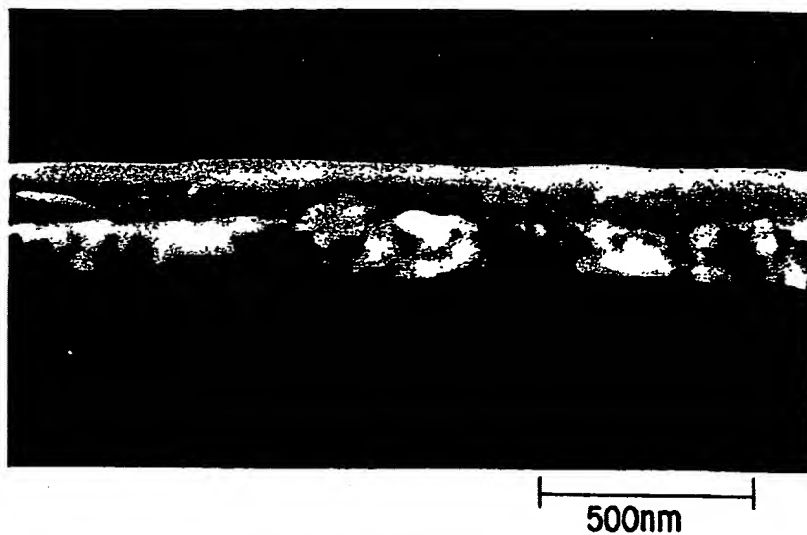


FIG. 6A

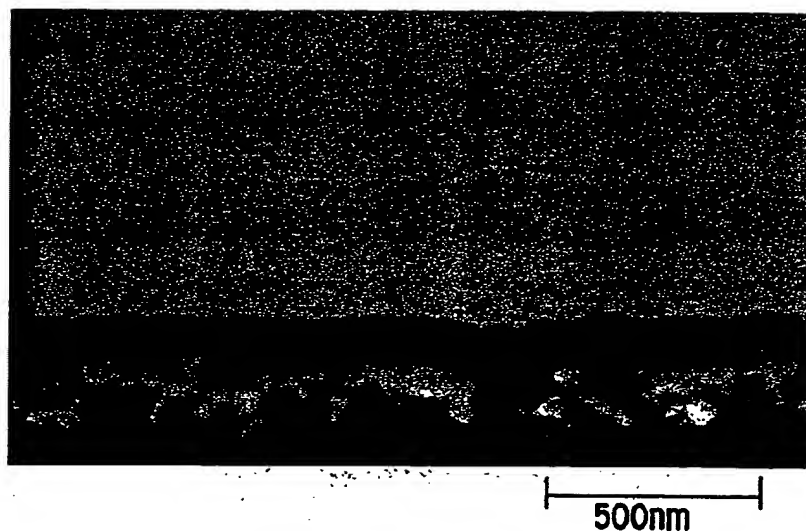
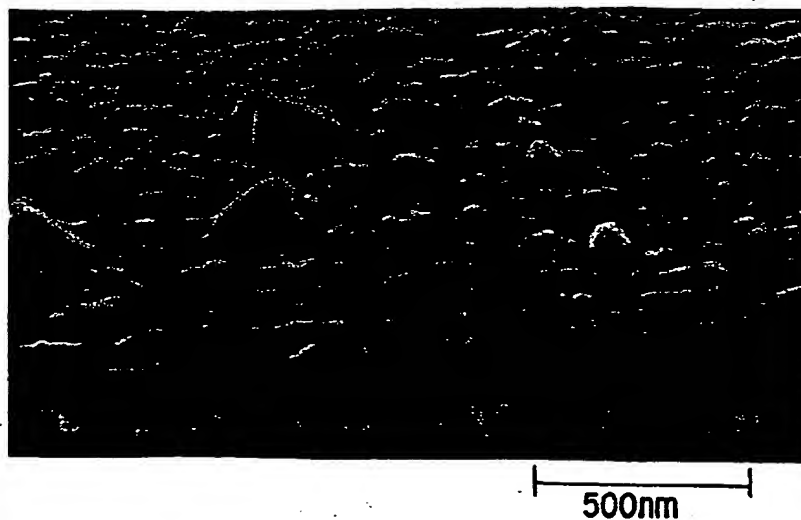


FIG. 6B



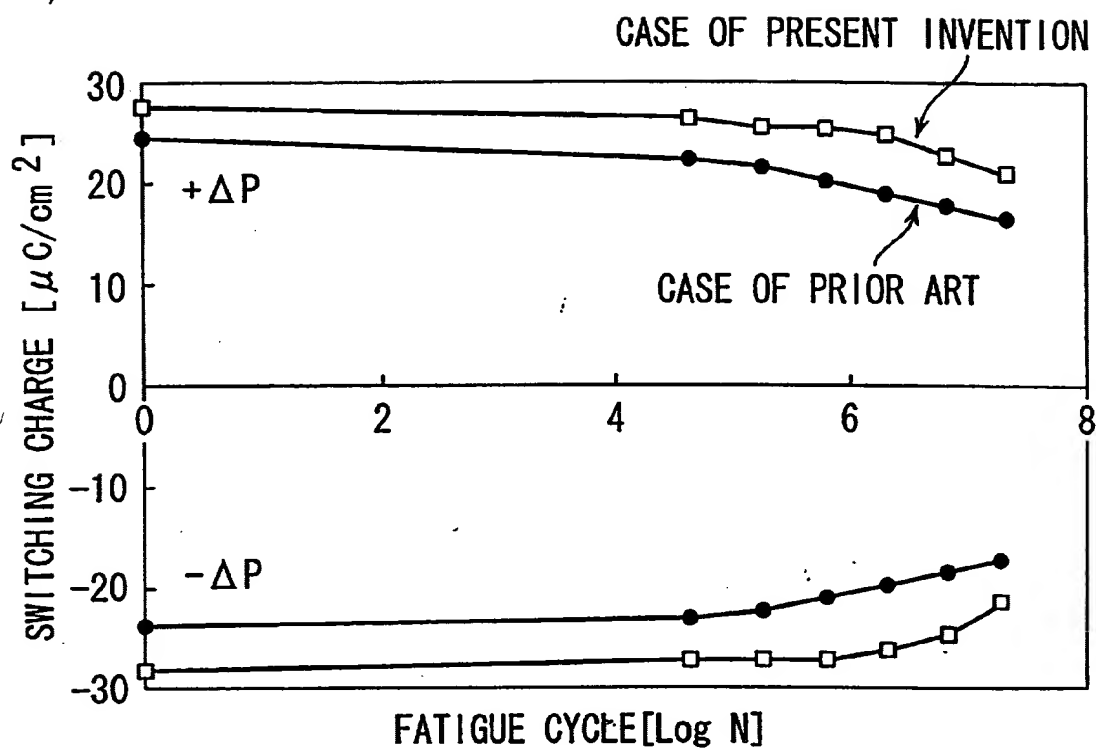


FIG. 5

004740" SET 7T950

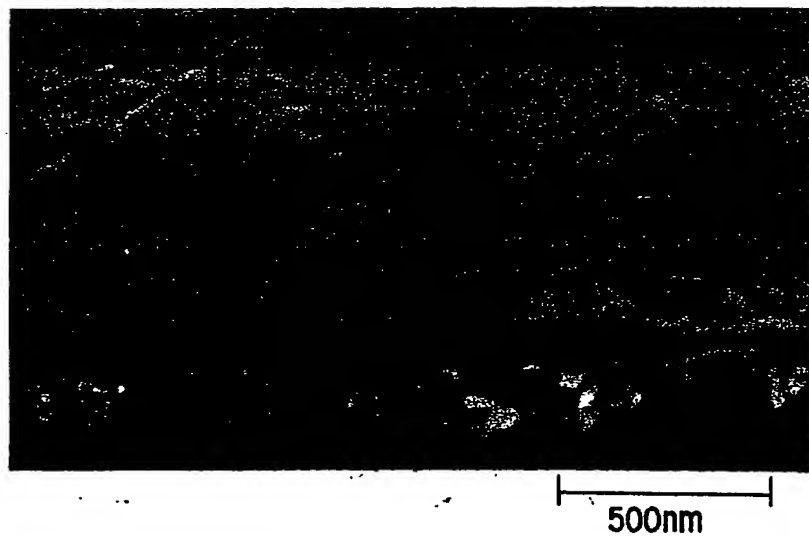


FIG. 7A

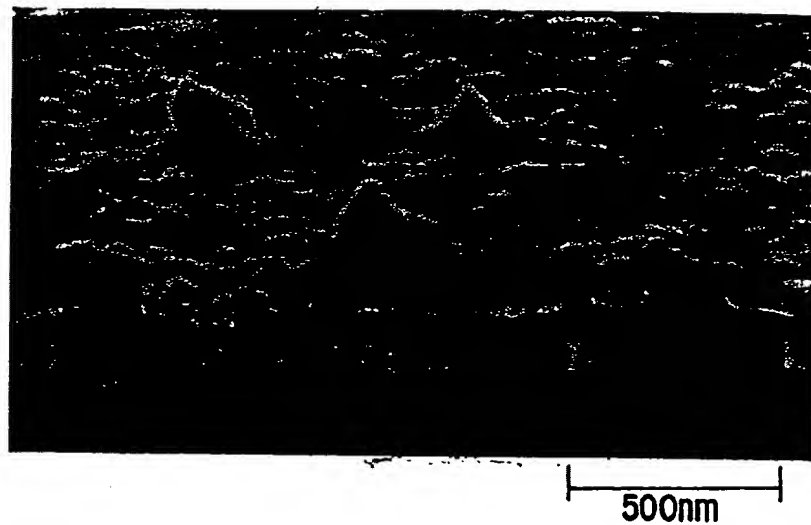


FIG. 7B

FIG. 8A

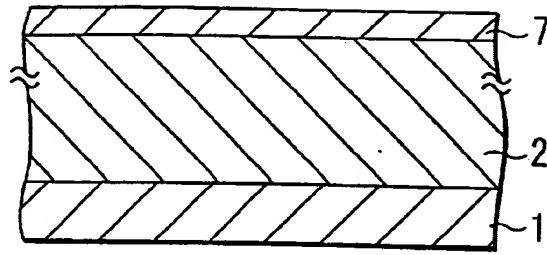


FIG. 8B

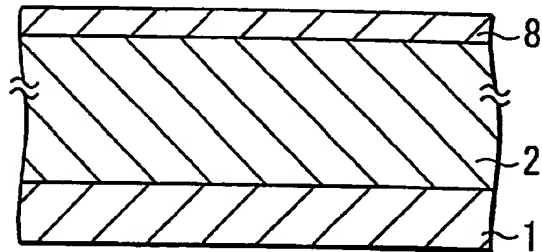


FIG. 8C

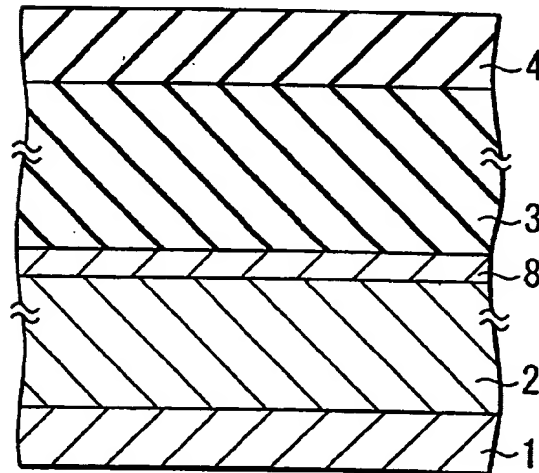
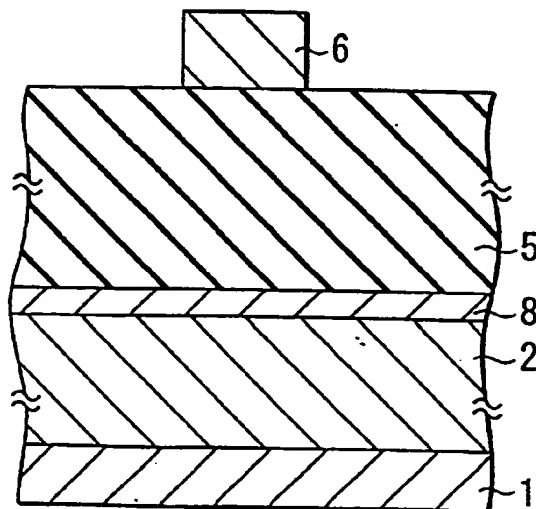


FIG. 8D



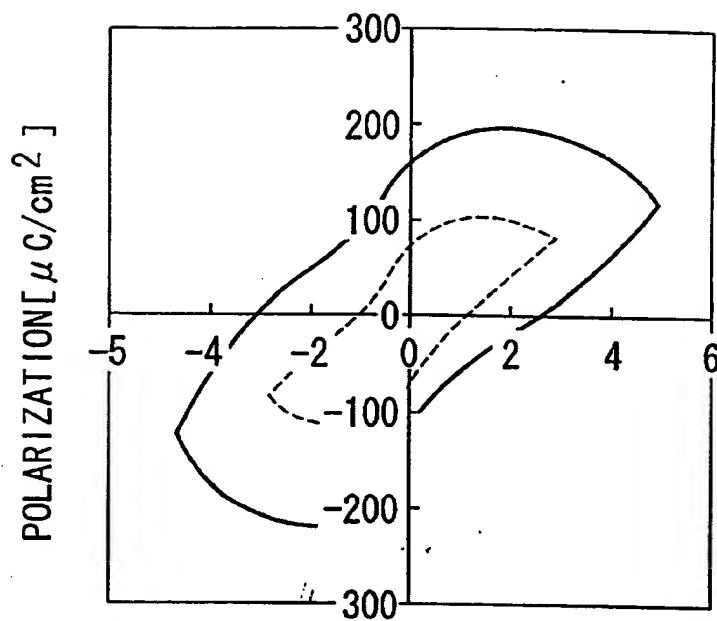


FIG. 9A

APPLIED VOLTAGE [V]

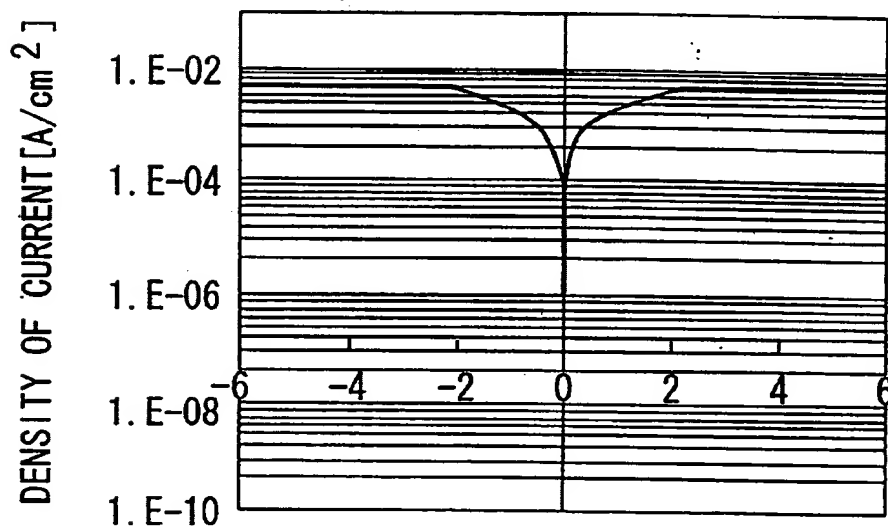


FIG. 9B

APPLIED VOLTAGE [V]

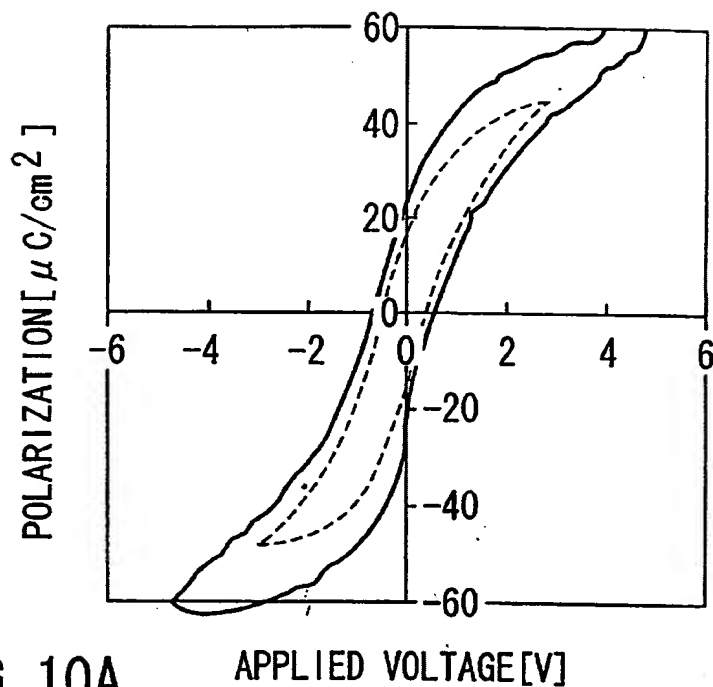


FIG. 10A

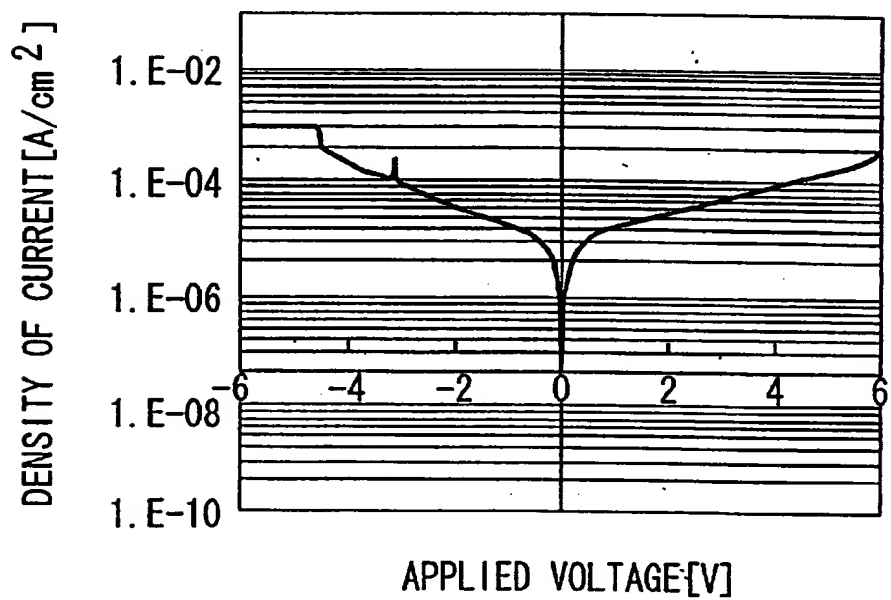


FIG. 10B

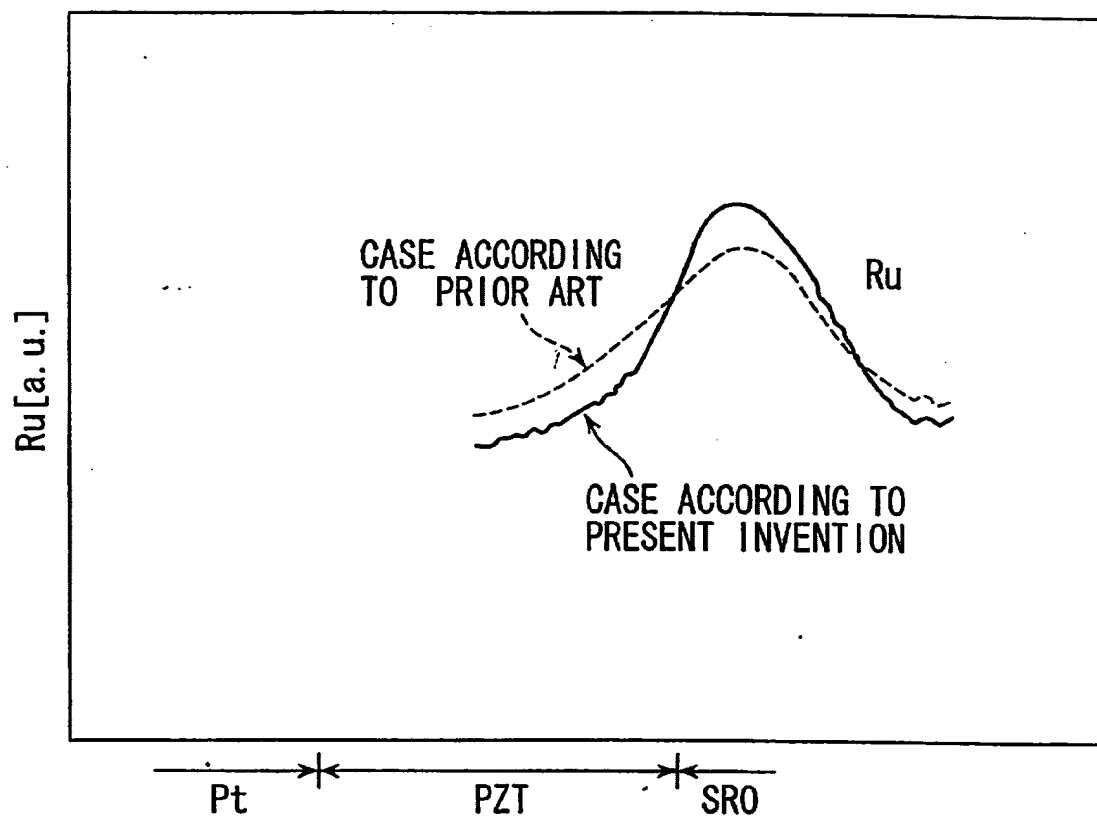


FIG. 11

FIG. 12A

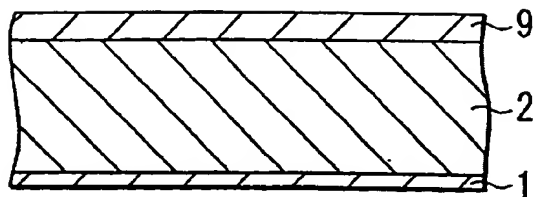


FIG. 12B

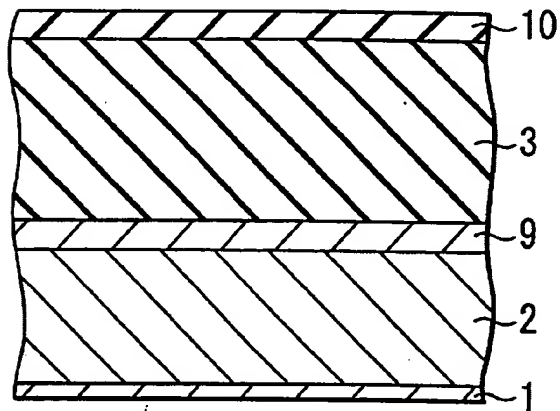


FIG. 12C

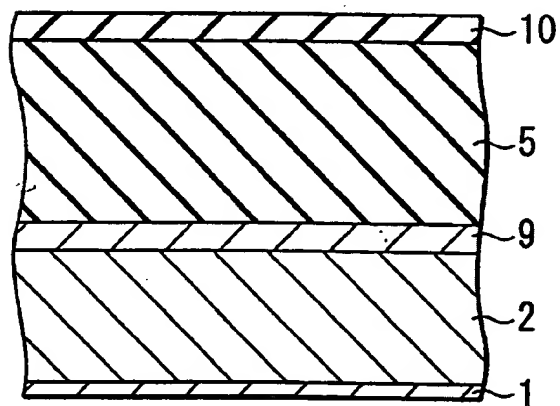
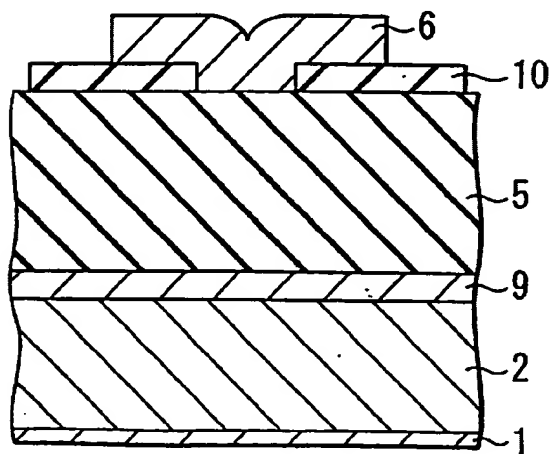


FIG. 12D



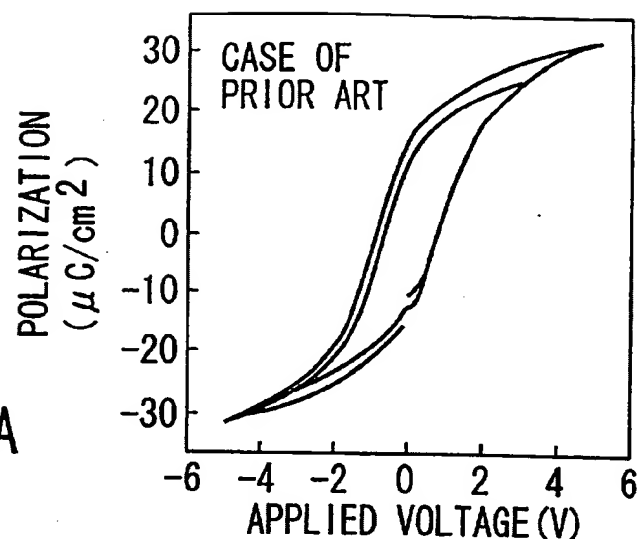


FIG. 13A

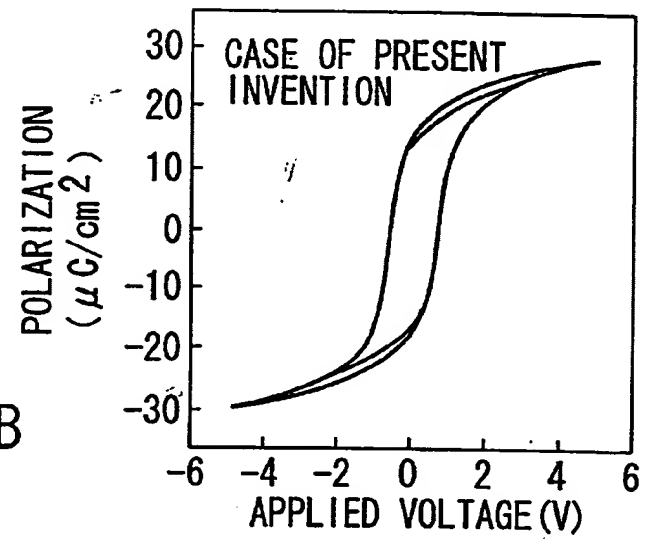


FIG. 13B

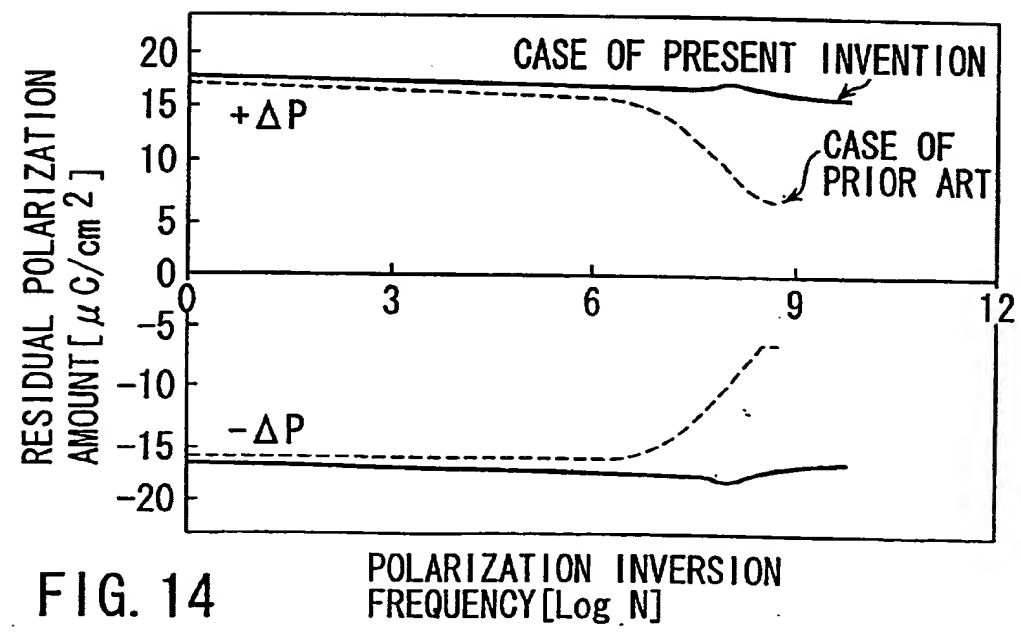


FIG. 14

POLARIZATION INVERSION  
FREQUENCY [Log N]

004120-85747960

FIG. 15A

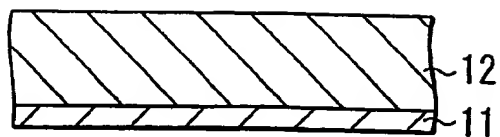


FIG. 15B

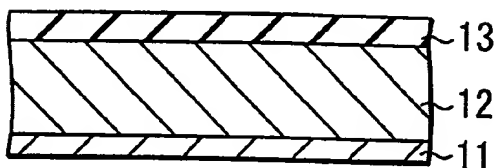


FIG. 15C

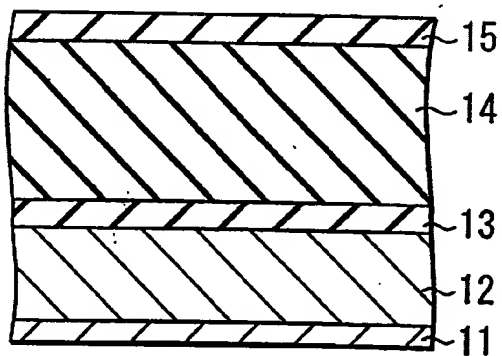


FIG. 15D

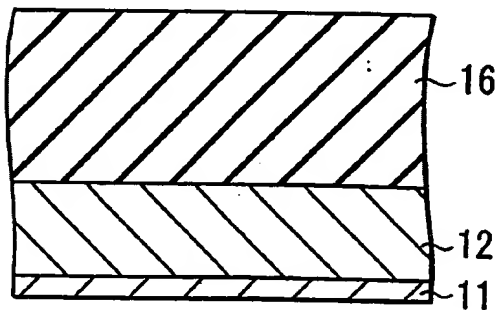
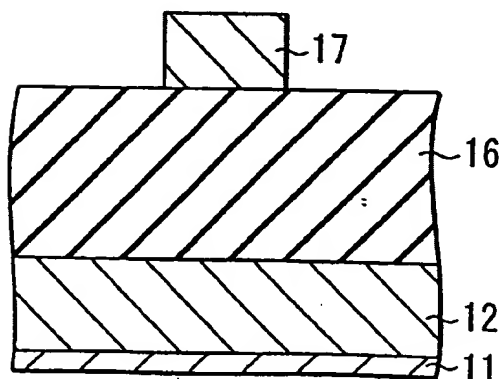


FIG. 15E



09617138.071400

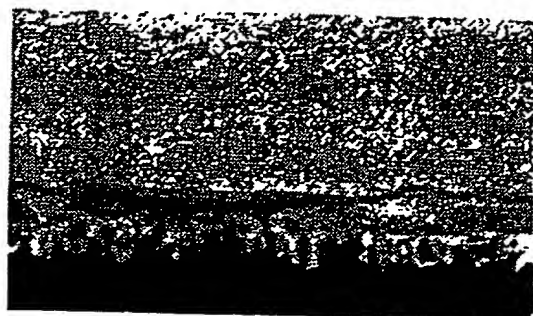


FIG. 16

004T20" SET 7F960

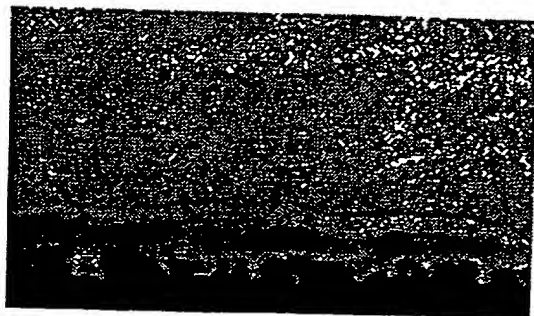


FIG.17



500nm

FIG. 18A



500nm

FIG. 18B

004740" SET 27960

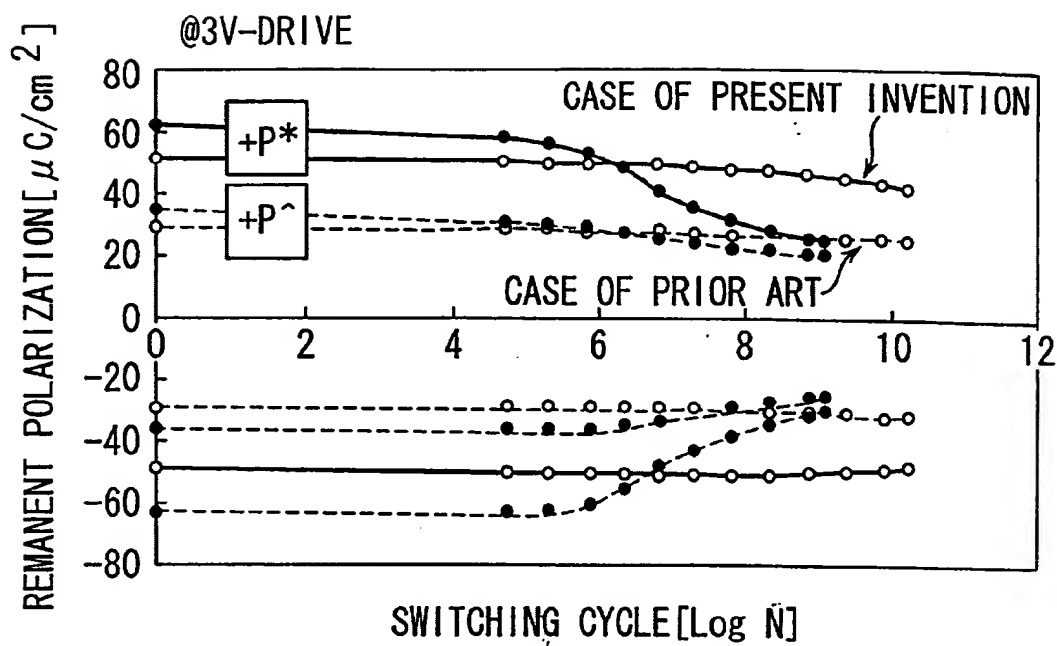


FIG. 19

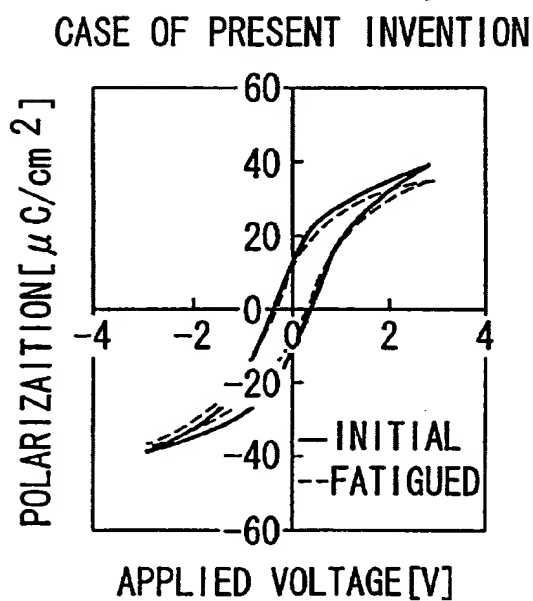


FIG. 20A

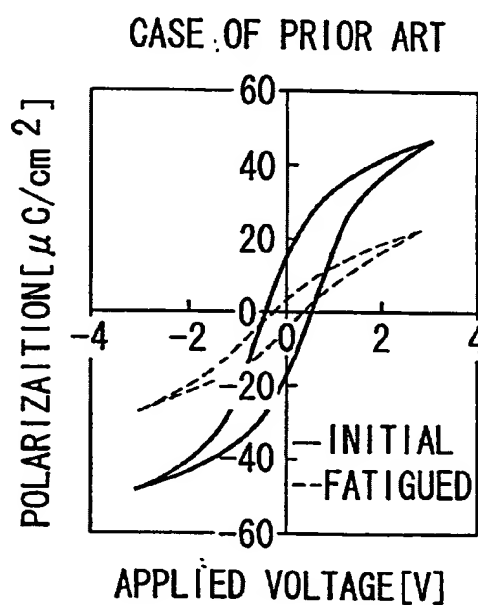


FIG. 20B

FIG. 21A

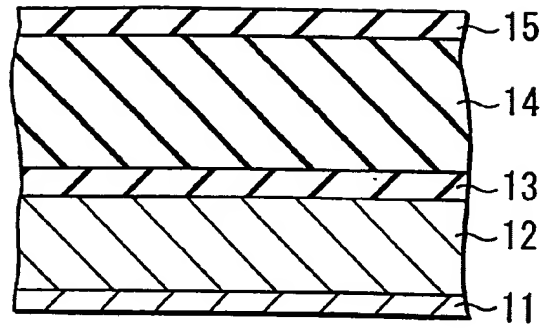


FIG. 21B

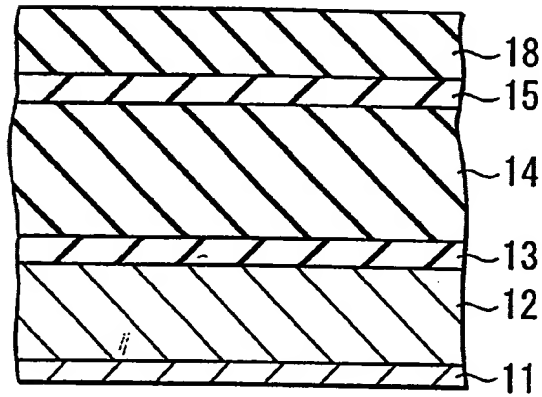


FIG. 21C

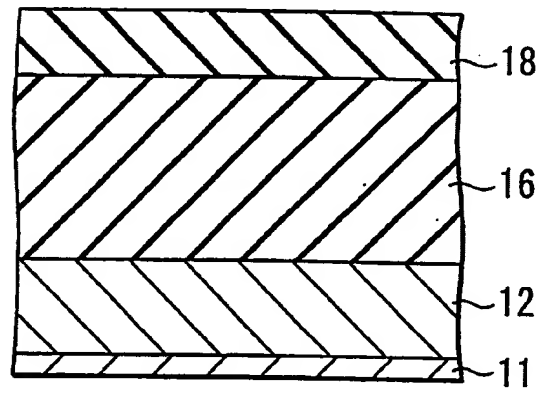
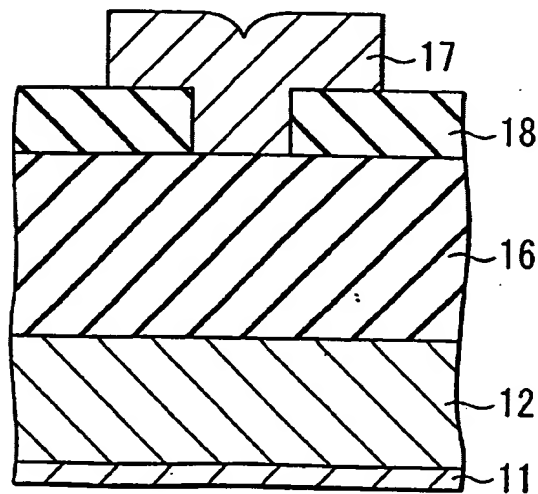
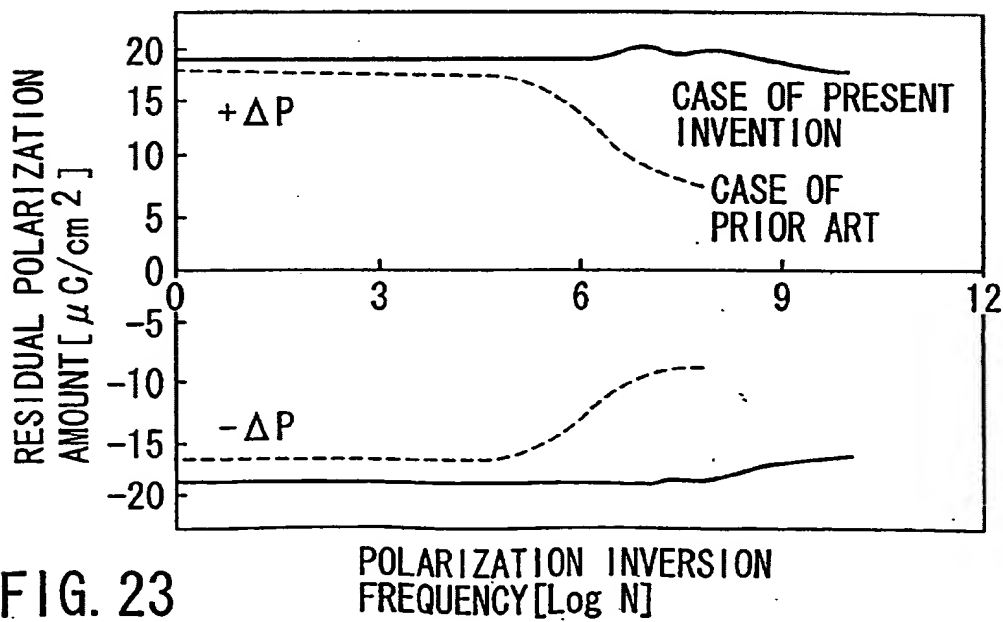
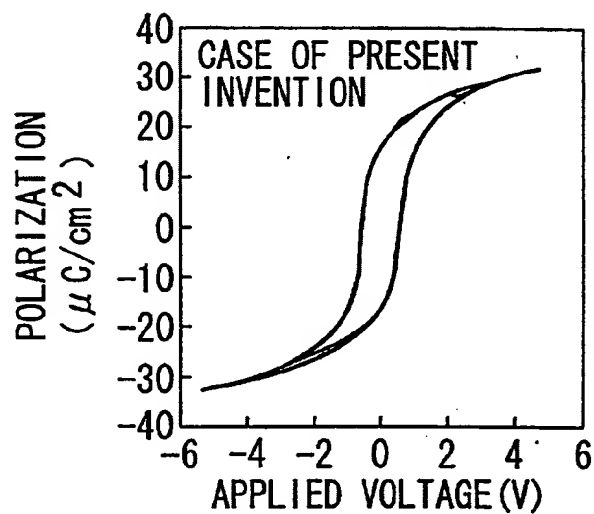
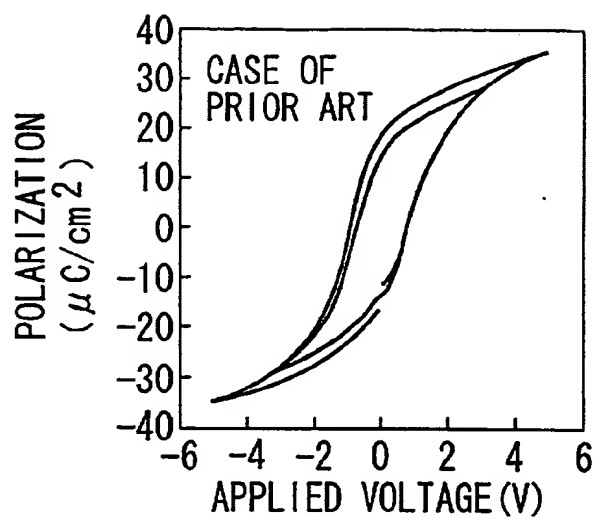


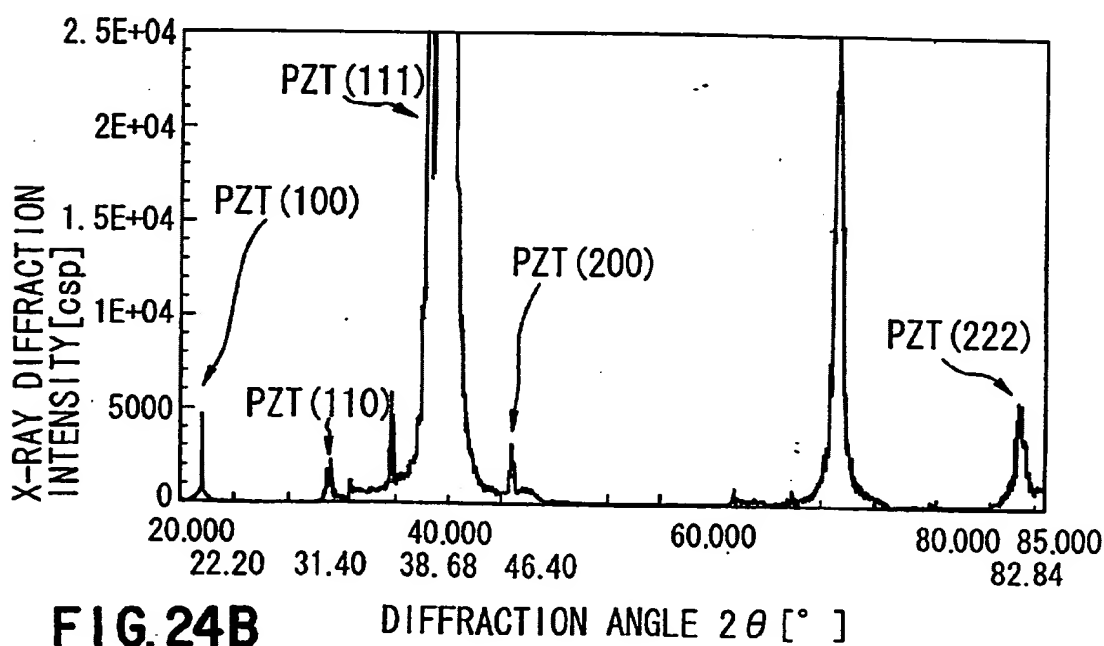
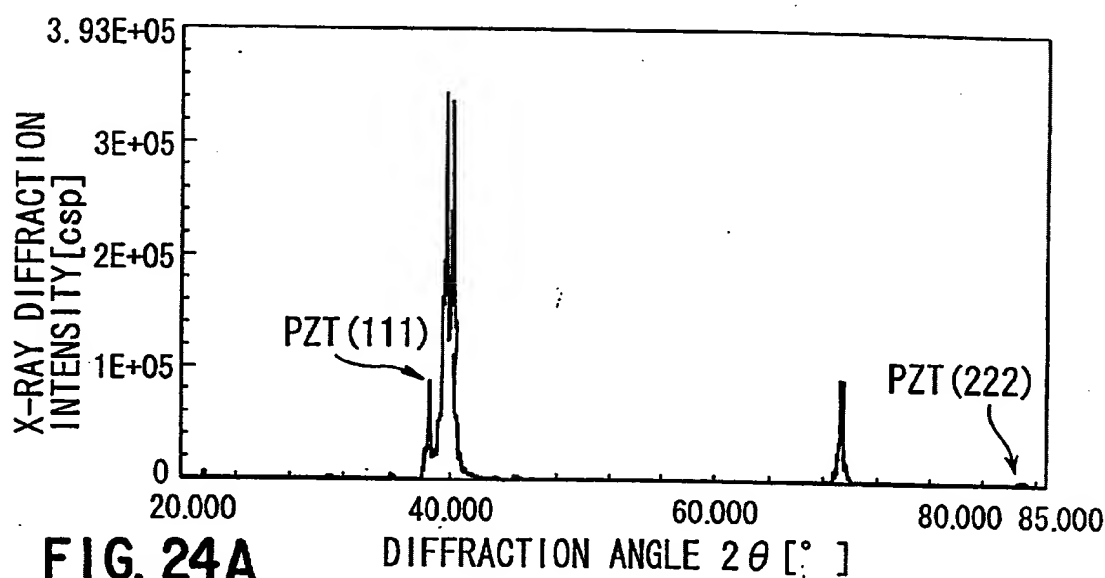
FIG. 21D





TUBULAR BULB: Cu  
 TUBULAR BULB VOLTAGE: 44KV  
 TUBULAR BULB CURRENT: 250mA  
 GONIOMETER: WIDE-ANGLE  
 GONIOMETER  
 STEP WIDTH: 0.040°  
 TIME FOR MEASUREMENT  
 : 0.50sec  
 SCANNING AXIS:  $2\theta / \theta$

DIVERGENCE SLIT: 1/2°  
 DIFFRACTION SLIT: 1/2°  
 LIGHT RECEIVING SLIT: 0.15mm  
 REVOLUTION SPEED: 60rpm/min  
 LIGHT RECEIVING SLIT OF  
 MONOCHROMATER:  
 LIGHT RECEIVING SLIT: 0.45mm  
 $\theta$  OFFSET ANGLE: 0.000°



004T20° 8ET4T960

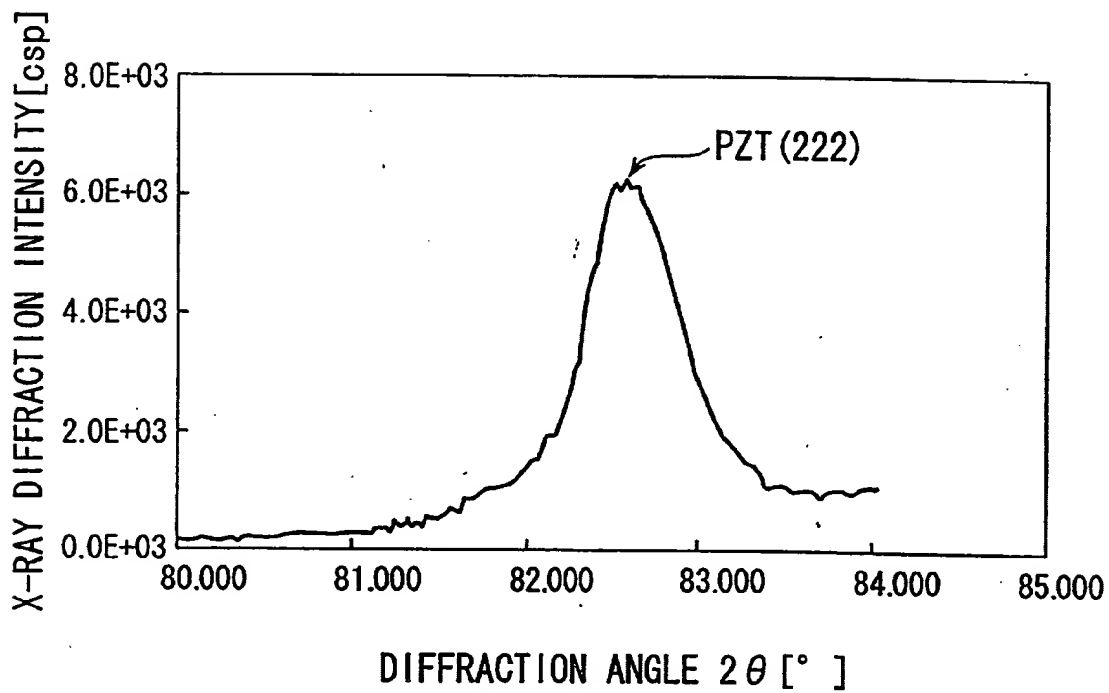


FIG. 24C

004720-927960

Y-AXIS: P (POLARIZATION)  
 X-AXIS: V (APPLIED VOLTAGE)  
 Pr+: POINT OF INTERSECTION  
 OF HYSTERESIS CURVE WITH  
 POSITIVE SIDE OF Y-AXIS  
 Pr-: POINT OF INTERSECTION  
 OF HYSTERESIS CURVE WITH  
 NEGATIVE SIDE OF Y-AXIS

$$2Pr = Pr+ - Pr-$$

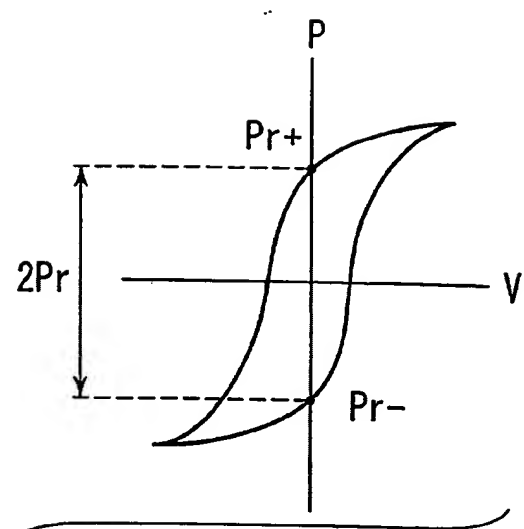


FIG. 25

Psat. +: POSITIVE SATURATION  
 POLARIZATION AMOUNT  
 Psat. -: NEGATIVE SATURATION  
 POLARIZATION AMOUNT

RECTANGULARITY

$$\text{RATIO} = \frac{Pr+}{Psat. +} \& \frac{Pr-}{Psat. -}$$

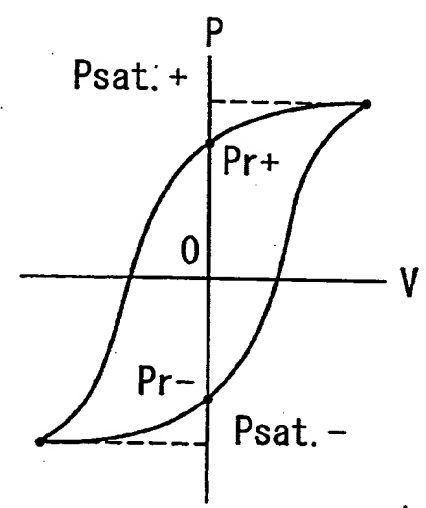


FIG. 26